Curriculum Vitae

Doc. RNDr. Irena Holubová (Mlýnková), Ph.D.

Associate professor
Department of Software Engineering
Faculty of Mathematics and Physics
Charles University in Prague
Malostranské nám. 25
118 00 Praha 1, Czech Republic

Contact information:

E-mail	holubova@ksi.mff.cuni.cz
Web	http://www.ksi.mff.cuni.cz/~holubova/
Phone	+420-221-914-316

Education:

2014	Doc. (Habilitation/Associate Professor) degree in Computer Science
2007	Ph.D. degree in Computer Science
2005	RNDr. (Rerum Naturalium Doctor) degree in Computer Science
2003	Master degree in Computer Science

Research interests:

- Big Data management and NoSQL databases
- Linked Data and graph databases
- XML data design and evolution
- XML schema inference
- Analysis of real-world XML data, schemas and operations
- Similarity of XML data and its exploitation
- Automatic generating of XML data, XML benchmarking
- Management of XML data using (object-)relational databases

Professional experience:

Researcher – Department of Software Engineering, Faculty of Mathematics and Physics, Charles University, Prague:

Since 2009	Member of XML and Web Technologies Research Group (XRG)
2007 – 2009	Member of Semantic Web Research Group (SeMWeX)
2003 – 2009	Member of Document Information Systems Group (DISG)

Lecturer – Faculty of Mathematics and Physics, Charles University, Prague:

- NoSQL databases and Big Data management (since 2013)
- Advanced aspects of XML technologies (since 2008)
- Practical applications of XML technologies (2008 – 2010)
- XML technologies (since 2005)
- Individual software project (since 2005)

- Database systems (2003 – 2005)
- Programming in C and C++ (2004)

Lecturer – Faculty of Electrical Engineering, Czech Technical University, Prague:

- XML technologies (since 2009)
- Database systems (since 2010)
- Programming in Java (2009 – 2010)
- Object-oriented programming (2009 – 2010)

Supervising undergraduate and graduate research:

- 11 Bachelor Theses (10 defended, others in progress)
- 24 Master Theses (21 defended, others in progress; 20 published at international conferences; 3 awarded)
- 4 Doctoral Theses (2 defended, others in progress)

Research stays:

September - November 2011:
- Department of Computer Science & Computer Engineering, La Trobe University, Melbourne, Australia - cooperation with Dr. Eric Pardede
- National ICT Australia (NICTA), ATP lab, Sydney, Australia - cooperation with Dr. Sherif Sakr

Publications:

In journals:	12	(11x with Impact Factor)
Chapters in refereed books:	3	
In refereed conference proceedings (international):		
	63	(3x the Best Paper Award)
In refereed conference proceedings (national):		
	8	
Books:	2	(1x the Dean's Award for the Best Monography of 2008)
Indexed in WoS:	38	(+ 1x foreword of proceedings)
Indexed in SCOPUS:	66	(+ 3x foreword of proceedings)

see **http://www.ksi.mff.cuni.cz/~holubova/publikace.html**

Citations:

From WoS publications:	47
From WoS publications to WoS publications:	19
From SCOPUS publications:	100
From SCOPUS publications to SCOPUS publications:	41
Total:	167

see **http://www.ksi.mff.cuni.cz/~holubova/doc/ListOfCitations.pdf** (updated only occasionally)

Memberships and other activities:

Grants and projects:
- Supervisor of GAUK (Grant Agency of the Charles University) projects: GAUK 1416213, GAUK 410511, GAUK 3110, GAUK 34710
- Co-researcher of Internationales Büro des Bundesministeriums für Bildung und Forschung, Bundesrepublik Deutschland project: NoSQL-Net: 01DS13026
- Co-researcher of TAČR (Technology Agency of the Czech Republic) project: TA02010182
- Co-researcher of GAČR (Czech Science Foundation) project: GAČR P202/10/0573
- Principal researcher of GAČR project: GAČR 201/09/P364
- Member of GAČR projects: GAČR 201/09/0990, GAČR 201/06/0756
- Member of project SemWeb (Program of the Information Society of the Thematic Program II of the National Research Program of the Czech Republic) 1ET100300419

Co-organized workshops: NoSQL-Net@DEXA'14, BenchmarX@DASFAA'10, X-Schemas@ADBIS'09, MoViX@DEXA'09, BenchmarX@DASFAA'09

Independent expert for evaluation of project proposals for the EU Framework Programme Horizon 2020 (May - June 2014)

Independent expert for evaluation of project proposals for the EU 7th Framework Programme (May - June 2013)

PC membership: ACM SAC'14, Znalosti'14, MEDES '14, ADBIS'14, IDEAS'14, RCIS'14, DATESO'14, ACM SAC'14, DATESO'13, RCIS'13, AICCSA'13, IDEAS'13, ADBIS'13, ACM SAC'13 , ANT'13, AINA'13, IDEAS'12, DATESO'12, WIMS'12, Future Tech'12, RCIS'12, ANT'12, AINA'12, ACM SAC'12, IAR'11, CNSI'11, DATESO'11, WISE'10, RCIS'11 , ACM SAC'11, DATESO'11, ACM SAC'10, RCIS'10, AWIC'09, ITAT'09, DATESO'09, SYRCoDIS'09, RCIS'09, RCIS'08 , DATESO'08, SYRCoDIS'08

Additional education:

2005	Certificate in Proficiency English, British Council, Prague, Czech Republic
2003	Certificate in Advanced English, British Council, Prague, Czech Republic
1998	First Certificate in English, British Council, Olomouc, Czech Republic
	Driving License